

Grant Application Package

Opportunity Title:	Recovery Act ? Energy Efficiency and Conservation Block
Offering Agency:	National Energy Technology Laboratory
CFDA Number:	81.128
CFDA Description:	Energy Efficiency & Conservation Block Grant Program
Opportunity Number:	DE-FOA-0000013
Competition ID:	
Opportunity Open Date:	03/26/2009
Opportunity Close Date:	06/25/2009
Agency Contact:	Sue Miltenberger Contract Specialist E-mail: EECBG@netl.doe.gov

This electronic grants application is intended to be used to apply for the specific Federal funding opportunity referenced here.

If the Federal funding opportunity listed is not the opportunity for which you want to apply, close this application package by clicking on the "Cancel" button at the top of this screen. You will then need to locate the correct Federal funding opportunity, download its application and then apply.

This opportunity is only open to organizations, applicants who are submitting grant applications on behalf of a company, state, local or tribal government, academia, or other type of organization.

* **Application Filing Name:**

Mandatory Documents	Move Form to Complete
 	Move Form to Delete

Mandatory Documents for Submission
Other Attachments Form
Project/Performance Site Location(s)
Application for Federal Assistance (SF-424)

Optional Documents	Move Form to Submission List
 	Move Form to Delete

Optional Documents for Submission
Disclosure of Lobbying Activities (SF-LLL)

Instructions

- 1** Enter a name for the application in the Application Filing Name field.
 - This application can be completed in its entirety offline; however, you will need to login to the Grants.gov website during the submission process.
 - You can save your application at any time by clicking the "Save" button at the top of your screen.
 - The "Save & Submit" button will not be functional until all required data fields in the application are completed and you clicked on the "Check Package for Errors" button and confirmed all data required data fields are completed.

- 2** Open and complete all of the documents listed in the "Mandatory Documents" box. Complete the SF-424 form first.
 - It is recommended that the SF-424 form be the first form completed for the application package. Data entered on the SF-424 will populate data fields in other mandatory and optional forms and the user cannot enter data in these fields.
 - The forms listed in the "Mandatory Documents" box and "Optional Documents" may be predefined forms, such as SF-424, forms where a document needs to be attached, such as the Project Narrative or a combination of both. "Mandatory Documents" are required for this application. "Optional Documents" can be used to provide additional support for this application or may be required for specific types of grant activity. Reference the application package instructions for more information regarding "Optional Documents".
 - To open and complete a form, simply click on the form's name to select the item and then click on the => button. This will move the document to the appropriate "Documents for Submission" box and the form will be automatically added to your application package. To view the form, scroll down the screen or select the form name and click on the "Open Form" button to begin completing the required data fields. To remove a form/document from the "Documents for Submission" box, click the document name to select it, and then click the <= button. This will return the form/document to the "Mandatory Documents" or "Optional Documents" box.
 - All documents listed in the "Mandatory Documents" box must be moved to the "Mandatory Documents for Submission" box. When you open a required form, the fields which must be completed are highlighted in yellow with a red border. Optional fields and completed fields are displayed in white. If you enter invalid or incomplete information in a field, you will receive an error message.

- 3** Click the "Save & Submit" button to submit your application to Grants.gov.
 - Once you have properly completed all required documents and attached any required or optional documentation, save the completed application by clicking on the "Save" button.
 - Click on the "Check Package for Errors" button to ensure that you have completed all required data fields. Correct any errors or if none are found, save the application package.
 - The "Save & Submit" button will become active; click on the "Save & Submit" button to begin the application submission process.
 - You will be taken to the applicant login page to enter your Grants.gov username and password. Follow all onscreen instructions for submission.

7-2-09 orig. ret. to Donna at Co. Judge

Application for Federal Assistance SF-424

Version 02

*** 1. Type of Submission:**

- Preapplication
- Application
- Changed/Corrected Application

*** 2. Type of Application:**

- New
- Continuation
- Revision

*** If Revision, select appropriate letter(s):**

*** Other (Specify)**

*** 3. Date Received:**

Completed by Grants.gov upon submission.

4. Applicant Identifier:

5a. Federal Entity Identifier:

*** 5b. Federal Award Identifier:**

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

*** a. Legal Name:**

Fort Bend County, Texas

*** b. Employer/Taxpayer Identification Number (EIN/TIN):**

*** c. Organizational DUNS:**

081497075

d. Address:

*** Street1:**

301 Jackson Street

Street2:

*** City:**

Richmond, Texas

County:

Fort Bend

*** State:**

TX: Texas

Province:

*** Country:**

USA: UNITED STATES

*** Zip / Postal Code:**

77469

e. Organizational Unit:

Department Name:

Community Development Dept.

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

Ms.

*** First Name:**

Marilynn

Middle Name:

*** Last Name:**

Kindell

Suffix:

Director

Title:

Community Development Director

Organizational Affiliation:

*** Telephone Number:**

281-341-4410

Fax Number:

281-341-3762

*** Email:**

marilynn.kindell@co.fort-bend.tx.us

Application for Federal Assistance SF-424

Version 02

9. Type of Applicant 1: Select Applicant Type:

B: County Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

National Energy Technology Laboratory

11. Catalog of Federal Domestic Assistance Number:

81.128

CFDA Title:
Energy Efficiency & Conservation Block Grant Program

*** 12. Funding Opportunity Number:**

DE-FOA-0000013

* Title:
Recovery Act ? Energy Efficiency and Conservation Block Grants ? Formula Grants

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Funds from this program will be used to support and sustain energy efficiency improvements and construction projects for county facilities and throughout Fort Bend County.

*** 15. Descriptive Title of Applicant's Project:**

Enhance Fort Bend: Focuses on implementing community wide efforts to audit, conserve and develop renewable energy projects that will have stimulate and sustain county infrastructure.

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

Version 02

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="2,807,600.00"/>
* b. Applicant	<input type="text"/>
* c. State	<input type="text"/>
* d. Local	<input type="text"/>
* e. Other	<input type="text"/>
* f. Program Income	<input type="text"/>
* g. TOTAL	<input type="text" value="2,807,600.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on .
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**

Yes No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:
Middle Name:
* Last Name:
Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

Application for Federal Assistance SF-424

Version 02

*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

Project/Performance Site Location(s)

Project/Performance Site Primary Location I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Fort Bend County, Texas

DUNS Number: 0814970750000

* Street1: 301 Jackson Street

Street2:

* City: Richmond, Texas County: Fort Bend

* State: TX: Texas

Province:

* Country: USA: UNITED STATES

* ZIP / Postal Code: 77469-3108 * Project/ Performance Site Congressional District: TX-022

Project/Performance Site Location 1 I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Fort Bend County Sheriff's Department

DUNS Number: 0814970750000

* Street1: 1410 Ransom Rd.

Street2:

* City: Richmond County: Fort Bend

* State: TX: Texas

Province:

* Country: USA: UNITED STATES

* ZIP / Postal Code: 77469-3108 * Project/ Performance Site Congressional District: TX-022

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

Approved by OMB
0348-0046

1. * Type of Federal Action: <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	2. * Status of Federal Action: <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	3. * Report Type: <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
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4. Name and Address of Reporting Entity:

Prime SubAwardee

* Name:

* Street 1: Street 2:

* City: State: Zip:

Congressional District, if known:

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

6. * Federal Department/Agency: <input type="text" value="Department OF Energy"/>	7. * Federal Program Name/Description: <input type="text" value="Energy Efficiency & Conservation Block Grant Program"/> CFDA Number, if applicable: <input type="text" value="81.128"/>
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8. Federal Action Number, if known: <input type="text" value="DE-FOA-0000013"/>	9. Award Amount, if known: \$ <input type="text" value="2,807,600.00"/>
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10. a. Name and Address of Lobbying Registrant:

Prefix: * First Name: Middle Name:

* Last Name: Suffix:

* Street 1: Street 2:

* City: State: Zip:

b. Individual Performing Services (including address if different from No. 10a)

Prefix: * First Name: Middle Name:

* Last Name: Suffix:

* Street 1:

* City: State: Zip:

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

* Signature:

* Name: Prefix: * First Name: Middle Name:

* Last Name: Suffix:

Title: Telephone No.: Date:

Other Attachment File(s)

* Mandatory Other Attachment Filename:

Add Mandatory Other Attachment

Delete Mandatory Other Attachment

View Mandatory Other Attachment

Form Attachments:

TX-County-Fort Bend-Budget.pdf.xl
TX-County-Fort Bend - Strategy.pdf
TX-County-Fort Bend - Financial A:
TX-County-Fort Bend- Assurances.
TX-County-Fort Bend Certs & Assu
TX-County-Fort Bend.pdf 424A Part
TX-County-Fort Bend .pdf 424A Par

Add Attachment

Delete Attachment

View Attachment

Done

below.

THE STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

**RESOLUTION FOR RECOVERY ACT
ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANTS
FORMULA GRANTS**

WHEREAS, under the provisions of The American Recovery and Reinvestment Act of 2009, Public Law 111-5 appropriates funding for the Department of Energy (DOE) to issue/award formula-based grants to states, U.S. territories, units of local government, and Indian tribes under the Energy Efficiency and Conservation Block Grant (EECBG) Program. DOE’s authorization for this program is set forth in Title V, Subtitle E of the Energy Independence and Security Act (EISA) of 2007; and

WHEREAS, Fort Bend County for the purposes of the EECBG Program is eligible for direct formula funding from the DOE because the county population is at least 200,000 and is one of the 10 highest populated counties of the State of Texas and, therefore was awarded a grant in the amount of \$2,807,600; and

WHEREAS, Fort Bend County, Commissioners Court has agreed that submission of this grant application is in the best interests of the citizens of the county and in the event of loss or misuse of the funds, the County Commissioners assure that the funds will be returned to the Department of Energy; and

WHEREAS, Fort Bend County further agrees that in accordance with EISA Sec. 548(b), EECBG funds shall supplement (and not supplant) other federal funding provided under the State Energy Program or the Weatherization Assistance Program; and

WHEREAS, by passage of this resolution, Fort Bend County shall provide written assurance that all laborers and mechanics on projects funded directly by or assisted in whole or in part by and through funding appropriated by the Act are paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by subchapter IV of Chapter 31 of title 40, United States Code (Davis-Bacon Act); and

WHEREAS, Fort Bend County has determined that the enactment of this resolution serves a public purpose;

NOW, THEREFORE, BE IT RESOLVED BY COUNTY OF FORT BEND, TEXAS:

1. Fort Bend County, by action of Commissioners Court on June 9, 2009, designated the County Judge submit all documentation necessary to apply for and receive funding based on Title V, Subtitle E, Energy Efficiency and Conservation Block Grants, Sections 541(3)(A) or 541(3)(B) of EISA 2007, Public Law 110-140.

2. Fort Bend County will post this resolution on the County's website upon receipt of notification of the award from the DOE, certifying the following:

"With respect to funds made available to state or local governments for infrastructure investments under the American Recovery and Reinvestment Act of 2009, Pub. L. 111-5, the County Judge as chief executive, certifies by acceptance of this award that the infrastructure investment has received the full review and vetting required by law and that the chief executive accepts responsibility that the infrastructure investment is an appropriate use of taxpayer dollars.

In addition, Recipient shall provide an additional certification that includes a description of the investment, the estimated total cost, and the amount of covered funds to be used for posting on the Internet. A State or local agency may not receive infrastructure investment funding from funds made available by the Act unless this certification is made and posted."

3. Fort Bend County will submit to the DOE a proposed Energy Efficiency and Conservation Strategy as part of this grant application as a mechanism for meeting the goals of the EECBG Program to:
- A. reduce fossil fuel emissions in a manner that is environmentally sustainable and, to the maximum extent practicable, maximizes benefits for local and regional communities;
 - B. reduce the total energy use of the eligible entities; and
 - C. improve energy efficiency in the building sector, the transportation sector, and other appropriate sectors.
4. Fort Bend County understands that the period of performance for these grants will be 36 months. In keeping with the agenda of the Recovery Act, and supporting the goal of immediate investment in the economy, entities are required to obligate/commit all funds within eighteen (18) months from the effective date of the award; and, in the event funds are not obligated/committed within eighteen (18) months, the DOE has the right to deobligate the funds and cancel the award.

APPROVED this 23 day of June, 2009.



FORT BEND COUNTY

By:

A handwritten signature in black ink, appearing to read "Robert E. Hebert", is written over a horizontal line.

Robert E. Hebert, County Judge

Date:

June 23, 2009

ATTEST:

A handwritten signature in black ink, appearing to read "Dianne Wilson", is written over a horizontal line.

Dianne Wilson, County Clerk

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
 DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
 Program Contact First Name: Ann Last Name: Werlein
 Project Title: Administration and Budgets Manager
 Activity: 2. Technical Consultant Services If Other: _____
 Sector: All Sectors If Other: _____
 Proposed Number of Jobs Created: 2.00 Proposed Number of Jobs Retained: 2.00
 Proposed Energy Saved and/or Renewable Energy Generated: _____
 Proposed GHG Emissions Reduced (CO2 Equivalents): _____
 Proposed Funds Leveraged: \$0.00
 Proposed EECBG Budget: 155,084.00
 Projected Costs Within Budget: Administration: \$5,084.00 Revolving Loans: _____ Subgrants: _____
 Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
 Metric Activity: Other If Other: Energy Administrator

Project Summary: *(limit summary to space provided)*

Eligible Activity: Technical Consultant Services

Project #10: Employ Energy Efficiency Administrator/Manager

In order to ensure that the identified projects and strategies are carried out according to DOE regulations and in a timely manner an Energy Efficiency Administrator/ Manager will be hired and initially fund for a two year period to provide oversight, identify partners plan the implementation of each strategy to ensure the goals and objectives are achieved, as well as monitor and maintain the capital and operational energy conservation measures of this grant. The energy manager's position will expand to address other energy related initiatives as they develop in Fort Bend County, and provide a solid managerial foundation for additional energy use reductions moving forward.

Budget: \$155,084 has been budgeted for one full time position for the two year period. This amount includes cost for fringe benefits. This position is slated to be filled within 90 days after receiving award.

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
 DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
 Program Contact First Name: Ann Last Name: Werlein
 Project Title: Administration and Budgets Manager
 Activity: 7. Transportation If Other: _____
 Sector: Transportation If Other: _____
 Proposed Number of Jobs Created: 1.00 Proposed Number of Jobs Retained: 1.00
 Proposed Energy Saved and/or Renewable Energy Generated: 159,490
 Proposed GHG Emissions Reduced (CO2 Equivalents): 83.000
 Proposed Funds Leveraged: \$13,608.00
 Proposed EECBG Budget: 66,268.00
 Projected Costs Within Budget: Administration: \$2,268.00 Revolving Loans: _____ Subgrants: _____
 Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
 Metric Activity: Building Energy Audits If Other: _____

Project Summary: *(limit summary to space provided)*

Eligible Activity: Development and Implementation of Transportation Programs

Project # 9: Fleet Vehicle Emissions Reduction Apparatus

This projects further supports Fort Bend County's efforts to reduce fossil fuel emissions, and improve overall health in the community by reducing toxic exhaust particulates, and conserving energy by reducing the County's fleet consumption of fossil fuel. The Blade apparatus we have explored for use in this effort meets the President's priority to deploy the cheapest, cleanest, and fastest energy sources to reduce fossil fuel emissions, reduce total energy use and increase energy efficiency. The Blade technology is a device that attaches to the tailpipes of any type gasoline vehicle. The device will reduce emissions of CO2, reduce emissions of toxic particulate material, and improve fuel efficiency. We anticipate retrofitting a minimum of 126 units over the three years period. Each retrofitted unit should see a reduction in CO2 emissions by an average of 6% per vehicle, reduce energy used and save the county 80 gallons of fuel per vehicle each year, or a total of 10,080 gallons annually.

Budget: Cost for this conversion will include 126 units @ 300 installed for total of \$37,800 with an average use of 4 cartridges annually per year for a total use of cartridges 17 each @ for 3 years= \$ 26,200, plus 1 hour installation=1/2 hour each cartridge change for a total cost of Fleet Emissions Conversion of \$66,268.00

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
Program Contact First Name: Ann Last Name: Werlein
Project Title: Administration and Budgets Manager
Activity: 7. Transportation If Other: _____
Sector: Transportation If Other: _____
Proposed Number of Jobs Created: 1.00 Proposed Number of Jobs Retained: 1.00
Proposed Energy Saved and/or Renewable Energy Generated: 78,160 (calculator worksheet used activity #5)
Proposed GHG Emissions Reduced (CO2 Equivalents): 40.000
Proposed Funds Leveraged: \$1,600.00
Proposed EECBG Budget: 37,544.00
Projected Costs Within Budget: Administration: \$3,544.00 Revolving Loans: _____ Subgrants: _____
Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
Metric Activity: Transportation If Other: _____
Project Summary: *(limit summary to space provided)*

Eligible Activity: Development and Implementation of Transportation Programs

Project #8: Propane Conversion Pilot Project Precinct 1 Constable

This project will support the counties current efforts to reduce emissions through the use of Propane fuel conversion of a select number of vehicles. Propane is considered a clean fuel by the Clean Air Act of 1990 and National Policy Act of 1992 and 2005, and is the third most widely available alternative fuel in the United States. The conversion of county vehicles with this fuel will reduce fuel cost with no adverse affects on vehicle operation. The county expects to realize a 20 to 25% savings in fleet fuel cost, save taxpayer dollars, and reduce vehicle maintenance costs. The proposed energy savings, and emissions reduction for this project was determined using calculations based on activity # 5 on the calculator worksheet.

Budget: The cost to retrofit approximately three existing Precinct 1 Constable vehicles is \$ 5,000.00 each unit for a total cost of \$15,000.00 and a skid mounted fueling system, dispenser, and filter fuel line that will be installed by the manufacture as a turnkey system for \$19,000. The total cost for the Propane conversion is \$37,544.00.

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
Program Contact First Name: Ann Last Name: Werlein
Project Title: Administration and Budgets Manager
Activity: 6. Buildings and Facilities If Other: _____
Sector: Public If Other: _____
Proposed Number of Jobs Created: 11.00 Proposed Number of Jobs Retained: 11.00
Proposed Energy Saved and/or Renewable Energy Generated: 51,353,858
Proposed GHG Emissions Reduced (CO2 Equivalents): 26,572.000
Proposed Funds Leveraged: \$1,200.00
Proposed EECBG Budget: 1,016,560.00
Projected Costs Within Budget: Administration: \$16,560.00 Revolving Loans: _____ Subgrants: _____
Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
Metric Activity: Building Energy Audits If Other: _____
Project Summary: *(limit summary to space provided)*

Eligible Activity: Energy Efficiency and Conservation Programs for Buildings and Facilities

Project # 7: County Buildings Retrofit

Upon completion of the energy audits of each county building a course of action will be devised to implement building retrofits that positively impact the efficiency of each building. This includes the replacement of lighting fixtures, doors, out dated mechanical equipment, and the re-insulation of the buildings structure. Retrofitting strategies may also include the replacement of tar and gravel roof systems which increases the heat loads on the buildings HVAC systems.

Budget: The amount budgeted for retrofitting the counties buildings will be based on what is identified with the audit, age, and total number of buildings to be updated. The total estimated amount for this project is budgeted at \$1,016,560.00

Schedule: It is anticipated that the retrofitting projects will be completed within the 36 month time frame of this grant funding period.

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
Program Contact First Name: Ann Last Name: Werlein
Project Title: Administration and Budgets Manager
Activity: 3. Residential and Commercial Buildings and Audits If Other: _____
Sector: Public If Other: _____
Proposed Number of Jobs Created: 4.00 Proposed Number of Jobs Retained: 4.00
Proposed Energy Saved and/or Renewable Energy Generated: 20,368,776
Proposed GHG Emissions Reduced (CO2 Equivalents): 10,539.000
Proposed Funds Leveraged: \$600.00
Proposed EECBG Budget: 402,880.00
Projected Costs Within Budget: Administration: \$2,880.00 Revolving Loans: _____ Subgrants: _____
Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
Metric Activity: Other If Other: Energy Administrator

Project Summary: (limit summary to space provided)

Eligible Activity: Residential and Commercial Building Energy Audits

Project #6: County Building Energy Efficiency Audits

This project includes the identification of building energy consumption, and deficiencies through the analysis of pass energy bills, building mechanical equipment, lighting, doors and the overall structure of the building. The buildings structure will be audited through the use of infrared camera technology to identify conditioned air leakage and insufficient insulation.

Budget: The total estimated cost for auditing all of the Counties 1.6 million sq.ft. of air conditioned office space @ .25 per sq.ft. has been calculated to be \$ 402,880.00.

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
Program Contact First Name: Ann Last Name: Werlein
Project Title: Administration and Budgets Manager
Activity: 12. Lighting If Other: _____
Sector: Public If Other: _____
Proposed Number of Jobs Created: 0.00 Proposed Number of Jobs Retained: 0.00
Proposed Energy Saved and/or Renewable Energy Generated: 892,093
Proposed GHG Emissions Reduced (CO2 Equivalents): 462.000
Proposed Funds Leveraged: \$600.00
Proposed EECBG Budget: 25,216.00
Projected Costs Within Budget: Administration: \$216.00 Revolving Loans: _____ Subgrants: _____
Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
Metric Activity: Industrial Process Efficiency If Other: _____

Project Summary: *(limit summary to space provided)*

Eligible Activity: Traffic Signals and Street Lighting

Project # 5- Solar Powered Speed Indicators

Grant Funds will be used to install four pole mounted portable speed indicators to be placed in various locations through out the county where the need for speed monitoring exist. These signs will be used within neighborhoods, in and around construction sites, and near school crossing zones to increase the safety of all citizens and promote compliance with speed limit. The county expects to receive an immediate return on this investment by increasing the safety of all citizens and by eliminating the cost associated with electrical power needed to support this type project. The Solar Speed Indicators will be purchased and installation will be performed by an outside contractor.

Budget: The estimated cost for this project is \$25,216.

Schedule: It is anticipated that this portion of the project will be completed within six months after receipt of award.

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
Program Contact First Name: Ann Last Name: Werlein
Project Title: Administration and Budgets Manager
Activity: 12. Lighting If Other: _____
Sector: Public If Other: _____
Proposed Number of Jobs Created: 3.00 Proposed Number of Jobs Retained: 3.00
Proposed Energy Saved and/or Renewable Energy Generated: 9,859,461
Proposed GHG Emissions Reduced (CO2 Equivalents): 5,102.000
Proposed Funds Leveraged: \$4,600.00
Proposed EECBG Budget: 280,720.00
Projected Costs Within Budget: Administration: \$720.00 Revolving Loans: _____ Subgrants: _____
Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
Metric Activity: Industrial Process Efficiency If Other: _____

Project Summary: *(limit summary to space provided)*

Eligible Activity: Traffic Signals and Street Lighting

Project # #4- Solar Powered Outdoor Security Lights at Parks and County Facilities

Grant Funds will be used to install and retrofit twenty eight lights with energy efficient solar panels and battery backup. Using solar panels will save energy and the cost for laying electrical lines especially in the unincorporated areas of the county and wooded park areas. The county expects to receive an immediate return on investment by increasing the safety of our citizens and the elimination of cost associated with electrical power needed to support the exterior outdoor lighting. The retrofit installation of the Exterior Lighting upgrades will be executed as a turn key project by an outside contractor.

Budget: The estimated cost to complete this project with replacement batteries is \$280,720.00

Schedule: It is anticipated that this portion of the project will be completed within one year after inception.

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
 DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
 Program Contact First Name: Ann Last Name: Werlein
 Project Title: Administration and Budgets Manager
 Activity: 12. Lighting If Other: _____
 Sector: Public If Other: _____
 Proposed Number of Jobs Created: 2.00 Proposed Number of Jobs Retained: 2.00
 Proposed Energy Saved and/or Renewable Energy Generated: 6,911,160
 Proposed GHG Emissions Reduced (CO2 Equivalents): 3,576.000
 Proposed Funds Leveraged: \$5,320.00
 Proposed EECBG Budget: 200,000.00
 Projected Costs Within Budget: Administration: \$0.00 Revolving Loans: _____ Subgrants: _____
 Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
 Metric Activity: Industrial Process Efficiency If Other: _____

Project Summary: *(limit summary to space provided)*

Eligible Activity: Traffic Signals and Street Lighting

Project # 3- Retrofit Street Lights with Solar Power

Grant Funds will be used to install and retrofit twenty street lights with energy efficient solar panels and battery backup. Using solar panels will save energy and the cost for laying electrical lines especially in the unincorporated areas of the county. The County plans to install lights in various areas of the county and has entered in an agreement with the Fresh Water Supply District #1 FWSD#1) to support back up battery replacement in the amount of \$ 4,000,00 over the next four years. The county expects to receive an immediate return of investment by increasing the safety of citizens and eliminating the cost associated with electrical power needed to support them. The retrofit installation of the street lights will be executed as a turn key project by an outside contractor.

Budget: The estimated cost to complete this project with replacement batteries is \$200,000.

Schedule: It is anticipated that this portion of the project will be completed within six to nine months after inception.

EECBG Activity Worksheet

Grantee: Fort Bend County Date: 06/12/2009
DUNS #: 81497075 Program Contact Email: werleann@co.fort-bend.tx.us
Program Contact First Name: Ann Last Name: Werlein
Project Title: Administration and Budgets Manager
Activity: 13. Onsite Renewable Technology If Other: _____
Sector: Public If Other: _____
Proposed Number of Jobs Created: 14.00 Proposed Number of Jobs Retained: 14.00
Proposed Energy Saved and/or Renewable Energy Generated: 37% (as provided by vendor)
Proposed GHG Emissions Reduced (CO2 Equivalents): 527.000
Proposed Funds Leveraged: \$678,979.00
Proposed EECBG Budget: 581,440.00
Projected Costs Within Budget: Administration: \$1,440.00 Revolving Loans: _____ Subgrants: _____
Project Contact First Name: Marilynn Last Name: Kindell Email: marilynn.kindell@co.fort-bend.tx.us
Metric Activity: Building Retrofits If Other: _____

Project Summary: (limit summary to space provided)

Renewable Energy Technologies on Government Buildings

Project #1 Solar Power Hot Water Retrofit for County Jail

The recently constructed facility houses 750 inmates, and currently uses 30 gallons of hot per person per day. The solar powered renewable energy system will use Alternative Energy Technologies (AET) absorbers designed to collect and meet the needs of a system from 30,000 to 50,000 gallons of hot water. The system will consist of 300, 40 sq.ft. solar collectors and 5200 gallons solar hot water storage. The collectors are designed to provide 30 years of dependable service, and are projected to realize cost benefits within the first nine years, thus saving the county eight million dollars over thirty years of the systems lifespan.

Budget:

The total projected cost for this project is \$1,260.419 However only a portion of the total cost (\$581,440) of this project will be funded by the EECBG Grant. The balance of this renewable energy project will be supported with local Government Capital Improvement Funds. This cost includes a feasibility study of the project.

Schedule:

This will be a contracted turn key project scheduled to be completed within three months with over site by county staff, and will create a minimum of fourteen new jobs.

Budget Information - Non Construction Programs

Section A - Budget Summary		Three-year Activity Costs				New or Revised Budget		Total (g)
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)		
1. 2	81.128			\$155,084	\$0	\$155,084		
2. 3	81.128			\$402,880	\$0	\$402,880		
3. 6	81.128			\$1,016,560	\$0	\$1,016,560		
4. 7	81.128			\$103,812	\$0	\$103,812		
5.	Totals	\$0	\$0	\$1,678,336	\$0	\$1,678,336		
Section B - Budget Categories		Three-year Activity Costs				New or Revised Budget		Total (5)
6. Object Class Categories		Grant Program, Function or Activity		(3) Retrofit	(4) Blade/Propane	Total (5)		
		(1) Manager	(2) Audit					
a. Personnel		\$109,542	\$2,880	\$16,560	\$2,808	\$131,790		
b. Fringe Benefits		\$42,042				\$42,042		
c. Travel		\$1,000			\$750	\$1,750		
d. Equipment		\$1,500		\$150,000	\$56,800	\$208,300		
e. Supplies		\$1,000		\$50,000	\$28,454	\$79,454		
f. Contractual			\$400,000	\$500,000	\$15,000	\$915,000		
g. Construction				\$300,000		\$300,000		
h. Other						\$0		
i. Total Direct Charges (sum of 6a-6h)		\$155,084	\$402,880	\$1,016,560	\$103,812	\$1,678,336		
j. Indirect Charges						\$0		
k. Totals (sum of 6i-6j)		\$155,084	\$402,880	\$1,016,560	\$103,812	\$1,678,336		
7. Program Income						\$0		

Section C - Non-Federal Resources		Leverage Amounts are not included			
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) Totals	
8. 2				\$0	
9. 3				\$0	
10. 6				\$0	
11. 7				\$0	
12. Total (sum of lines 8 - 11)	\$0	\$0	\$0	\$0	

Section D - Forecasted Cash Needs					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$821,654	\$283,625	\$236,013	\$155,373	\$146,643
14. Non-Federal	\$0				
15. Total (sum of lines 13 and 14)	\$821,654	\$283,625	\$236,013	\$155,373	\$146,643

Section E - Budget Estimates of Federal Funds Needed for Balance of the Project				
(a) Grant Program	Future Funding Periods (Years)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16. 2	\$76,792	\$0		
17. 3	\$0	\$0		
18. 6	\$508,280	\$254,140		
19. 7	\$8,735	\$8,735		
20. Total (sum of lines 16-19)	\$593,807	\$262,875	\$0	\$0

Section F - Other Budget Information	
21. Direct Charges	
22. Indirect Charges	

23. Remarks	
-------------	--

Section C. Non-Federal Resources

Lines 8-11—Enter amounts of non-Federal resources that will be used on the grant. If in-kind contributions are included, provide a brief explanation on a separate sheet.

Column (a)—Enter the program titles identical to Column (a), Section A. A breakdown by function or activity is not necessary.

Column (b)—Enter the contribution to be made by the applicant.

Column (c)—Enter the amount of the State's cash and in-kind contribution if the applicant is not a State or State agency. Applicants which are a State or State agencies should leave this column blank.

Column (d)—Enter the amount of cash and in-kind contributions to be made from all other sources.

Column (e)—Enter totals of Columns (b), (c), and (d).

Line 12—Enter the total for each of Columns (b)-(e). The amount in Column (e) should be equal to the amount on Line 5, Column (f) Section A.

Section D. Forecasted Cash Needs

Line 13—Enter the amount of cash needed by quarter from the grantor agency during the first year.

Line 14—Enter the amount of cash from all other sources needed by quarter during the first year.

Line 15—Enter the totals of amounts on Lines 13 and 14.

Section E. Budget Estimates of Federal Funds Needed for Balance of the Project

Lines 16-19—Enter in Column (a) the same grant program titles shown in Column

(a), Section A. A breakdown by function or activity is not necessary. For new applications and continuation grant applications, enter in the proper columns amounts of Federal funds which will be needed to complete the program or project over the succeeding funding periods (usually in years). This section need not be completed for revisions (amendments, changes, or supplements) to funds for the current year of existing grants.

If more than four lines are needed to list the program titles, submit additional schedules as necessary.

Line 20—Enter the total for each of the Columns (b)-(e). When additional schedules are prepared for this Section, annotate accordingly and show the overall totals on this line.

Section F. Other Budget Information

Line 21—Use this space to explain amounts for individual direct object-class cost categories that may appear to be out of the ordinary or to explain the details as required by the Federal grantor agency.

Line 22—Enter the type of indirect rate (provisional, predetermined, final or fixed) that will be in effect during the funding period, the estimated amount of the base to which the rate is applied, and the total indirect expense.

Line 23—Provide any other explanations or comments deemed necessary.

Budget Information - Non Construction Programs

Section A - Budget Summary		Three-year Activity Costs		Estimated Unobligated Funds			New or Revised Budget	
Grant Program Function or Activity	Catalog of Federal Domestic Assistance Number	Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)		
1. 12	81.128			\$547,824	\$0	\$547,824		
2. 13	81.128			\$581,440	\$0	\$581,440		
3.					\$0	\$0		
4.					\$0	\$0		
5.	Totals	\$0	\$0	\$1,129,264	\$0	\$1,129,264		
Section B - Budget Categories		Three-year Activity Costs			Grant Program, Function or Activity			
6. Object Class Categories			(1) Light Program	(2) Hot water retrofit	(3)	(4)	Total (5)	
a. Personnel			\$2,124	\$1,440			\$3,564	
b. Fringe Benefits							\$0	
c. Travel							\$0	
d. Equipment			\$65,700				\$65,700	
e. Supplies							\$0	
f. Contractual			\$480,000				\$480,000	
g. Construction				\$580,000			\$580,000	
h. Other							\$0	
i. Total Direct Charges (sum of 6a-6h)			\$547,824	\$581,440	\$0		\$1,129,264	
j. Indirect Charges							\$0	
k. Totals (sum of 6i-6j)			\$547,824	\$581,440	\$0		\$1,129,264	
7. Program Income							\$0	

Section C - Non-Federal Resources		Leverage Amounts are not included				
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) Totals		
8. 12					\$0	
9. 13					\$0	
10.					\$0	
11.					\$0	
12. Total (sum of lines 8 - 11)	\$0	\$0			\$0	

Section D - Forecasted Cash Needs		Total for 1st Year			
		1st Quarter	2nd Quarter	3rd Quarter	4th quarter
13. Federal	\$599,636	\$0	\$11,565	\$297,285	\$290,786
14. Non-Federal	\$0				
15. Total (sum of lines 13 and 14)	\$599,636	\$0	\$11,565	\$297,285	\$290,786

Section E - Budget Estimates of Federal Funds Needed for Balance of the Project		Future Funding Periods (Years)			
(a) Grant Program	(b) First	(c) Second	(d) Third	(e) Fourth	
16. 12	\$223,712	\$15,196			
17. 13	\$290,720	\$0			
18.					
19.					
20. Total (sum of lines 16-19)	\$514,432	\$15,196			\$0

Section F - Other Budget Information	
21. Direct Charges	
22. Indirect Charges	

23. Remarks	
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Section C. Non-Federal Resources

Lines 8-11—Enter amounts of non-Federal resources that will be used on the grant. If in-kind contributions are included, provide a brief explanation on a separate sheet.

Column (a)—Enter the program titles identical to Column (a), Section A. A breakdown by function or activity is not necessary.

Column (b)—Enter the contribution to be made by the applicant.

Column (c)—Enter the amount of the State's cash and in-kind contribution if the applicant is not a State or State agency. Applicants which are a State or State agencies should leave this column blank.

Column (d)—Enter the amount of cash and in-kind contributions to be made from all other sources.

Column (e)—Enter totals of Columns (b), (c), and (d).

Line 12—Enter the total for each of Columns (b)-(e). The amount in Column (e) should be equal to the amount on Line 5, Column (f) Section A.

Section D. Forecasted Cash Needs

Line 13—Enter the amount of cash needed by quarter from the grantor agency during the first year.

Line 14—Enter the amount of cash from all other sources needed by quarter during the first year.

Line 15—Enter the totals of amounts on Lines 13 and 14.

Section E. Budget Estimates of Federal Funds Needed for Balance of the Project

Lines 16-19—Enter in Column (a) the same grant program titles shown in Column

(a), Section A. A breakdown by function or activity is not necessary. For new applications and continuation grant applications, enter in the proper columns amounts of Federal funds which will be needed to complete the program or project over the succeeding funding periods (usually in years). This section need not be completed for revisions (amendments, changes, or supplements) to funds for the current year of existing grants.

If more than four lines are needed to list the program titles, submit additional schedules as necessary.

Line 20—Enter the total for each of the Columns (b)-(e). When additional schedules are prepared for this Section, annotate accordingly and show the overall totals on this line.

Section F. Other Budget Information

Line 21—Use this space to explain amounts for individual direct object-class cost categories that may appear to be out of the ordinary or to explain the details as required by the Federal grantor agency.

Line 22—Enter the type of indirect rate (provisional, predetermined, final or fixed) that will be in effect during the funding period, the estimated amount of the base to which the rate is applied, and the total indirect expense.

Line 23—Provide any other explanations or comments deemed necessary.

Energy Efficiency & Conservation Strategy for Unit of Local Governments Budget Justification-Fort Bend County

Activity	Project	Staff Time	Cost Breakdown	Grant Request Amt	County Adm Costs Avg 18.00/hr	Leverage In-Kind Adm Costs	Leverage Cash	Total Estimated Cost
13	Solar Power Hot Water Retrofit County Jail	Co Attorney, Auditor, Purchasing, Facilities and Contract Manager	Turn-key contract for installation 300 collectors and storage unit (estimate from vendor) 4 week project (80 Facilities staff hrsx18) = 1440 + 50 hr other staff (over 3 yrs)=600	580,000	1440	600	678,379	1,260,419
12	Solar Security Lighting County Parks/Facilities	Co Attorney, Auditor, Purchasing, Parks, Facilities, Contract Manager	Turn-key contract for installation 28 lights at \$10,000 each + 4000 batteries/4 yrs 2 week (40hrs Park Staff) = 720 + 50 hrs(other staff) =600	280,000	720	600	4000	285,320
12	Solar Powered Street Lights	Co Attorney, Auditor, Purchasing, Arcola Community (FWSD#1 will replace batteries), Contract Manager	Turn-key contract for installation 20 lights at \$10,000 each w battery replacement cost of 4000/4 yrs 2 week (40hrs funded by Arcola or FWSD#1) = 720 + 50 hrs (other FBC staff) =600	200,000	0	1320	4000 from FWSD#1	205,320
12	School crossing lights solar retrofit	Auditor, Purchasing, Road & Bridge, Contract Manager	11 units at \$3700 each + 3 hours installation time per unit + annual maint parts 66 R/B staff hours installation and annual maint = 1188 + 50 hrs (other staff) =600	40,700	1188	600	800	43,288
12	Solar speed indicators	Auditor, Purchasing, Constable Pt. 3, Contract Manager	4 units at \$6000 (based on city bid) 12 hrs R/B Staff = 216 + 50 hours (other staff) = 600	25,000	216	600		25,816
3	County Facilities Energy Efficiency Audit	Co Attorney, Auditor, Purchasing, Facilities, Contract Manager	1,600,000 airconditioned square footage at .25/SF 8 week project (160 hrsFacilities Staff) = 2880 + 50 hr (other staff) = 600	400,000	2,880	600		403,480
6	County Facilities Energy Efficiency Retrofit	Co Attorney, Auditor, Purchasing, Facilities, Road & Bridge, Contract Manager	Each project will be developed based on budget and results of audit 12-18 mth (920 hrs Facilities/R&B Staffs) = 16,560 + 50 hrs (other staff) = 600	1,000,000	16,560	600		1,017,160

7	Fleet vehicle emission reduction apparatus	Purchasing, Auditor, Vehicle Maint	126 units \$300 installed =37,800 + avg. 4 cartridges/yr 17@ for 3 yrs = 26,200 + 1 hr installation + 1/2 hr each cartridge change 126 hrs Installation VehMaint staff =2268 + maint hrs/3 yrs =13,608	64,000		3,600	13,608		81,208
7	Propane Conversion Pilot Project	Purchasing, Auditor, Vehicle Maint, Constable Pct 1	3 vehicle bi-fuel retrofits by manufacturer installed for \$5000/ea + propane fueling system, dispenser and filter fuel line 19,000 (tank leased from fuel distributor) Veh Maint Staff training \$250/day = \$750 + R/B construction auto shut off and crash barriers = 2212 + 50 hrs other staff =600	34,000		2212	600	1000	36,812
2	Energy Efficient Administration Contract Manager	Auditor, HR, Payroll, Contract Manager	Full time employee \$53,979salary + \$21,021benefits for 2 years + office expenses \$500/yr + training/travel reimb \$500/yr + Computer/Printer \$1500 = \$3500 3hrs/12 qrt (36 hrs) =648 + 1hr biweekly 2yrs =936 + train/travel/computer = \$3500	150,000		5084	0		155,084
	Administration Costs	Co Attorney, Purchasing, Auditor, HR, Payroll, Road & Bridge, Facilities, Parks, Constables	Staff costs for monitoring, reporting and finalizing projects	33,900					33,900
				2,807,800	33900	19,128	684,179	3,547,807	

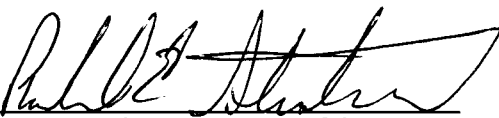
FINANCIAL MANGEMENT ASSESSMENT

This assessment should be completed, signed and certified by the Applicant's Financial Officer.

- | | YES | NO |
|--|-------------------------------------|-------------------------------------|
| 1. Have you previously done business with DOE? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Have you previously done business with any other Federal Agency?
If so, please identify: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Department of Housing and Urban Development, Department of Interior, Federal Highway Administration

- | | | |
|--|-------------------------------------|--------------------------|
| 3. Can the Applicant's Financial Officer or Independent Auditor certify that the Applicant has a financial management system sufficient to meet the requirements of 10 CFR 600.220?
If yes, please skip to question #10 and sign/certify below. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Does your accounting system have the ability to track costs on a reimbursable basis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Does your system allow for accurate, current and complete financial reporting, and record keeping as well as the maintaining of adequate source documentation? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Does your system allow for effective internal controls and accountability? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 7. Does your system allow for effective and efficient cash management procedures? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. Does your system prohibit subaward at any tier to any party which is debarred, suspended or otherwise excluded from or ineligible for participation in Federal assistance programs? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 9. The expenditure of \$500,000 or more of Federal funds in a fiscal year requires an organization to have an audit performed in accordance with OMB Circular A-133.
Has your organization had such an audit performed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 10. If yes, please provide the most recent report or a copy of the SF-SAC forms filed with the Federal Audit Clearinghouse. If no, proceed to the next statement and certify by checking the YES block. | | |
| I understand the audit requirements and will comply with the provisions of OMB Circular A-133. | <input type="checkbox"/> | <input type="checkbox"/> |

Robert E. Sturdivant, County Auditor
281-341-3769  6/23/09
 PRINTED NAME, TITLE AND PHONE NUMBER OF INDIVIDUAL COMPLETING FORM DATE
By signing this form, the above individual certifies that the responses provided to this survey are accurate as of the date.

If "NO" has been selected for any of the statements above, please provide further explanation on page 2.

Attachment D

Energy Efficiency & Conservation Strategy for Units of Local Governments & Indian Tribes

As detailed in Part 1 of this announcement, all applicants must submit an Energy Efficiency and Conservation Strategy (EECS). Units of local government and Indian tribes have the option of submitting the EECS no later than 120 days after the effective date of the award or at the time of application. Units of local government and Indian tribes who chose to submit the EECS at the time of application shall use the format contained in Attachment D. This form should be saved in a file named "UIC-Strategy.pdf" and click on "Add Optional Other Attachment" to attach.

Grantee: Fort Bend County Date: 06/05/2009 (mm/dd/yyyy)
DUNS #: 81497075 Program Contact Email: marilynn.kindell@co.fort-bend.tx.us

1. Describe your government's proposed Energy Efficiency and Conservation Strategy. Provide a concise summary of your measureable goals and objectives, which should be aligned with the defined purposes and eligible activities of the EECBG Program. These goals and objectives should be comprehensive and maximize benefits community-wide. Provide a schedule or timetable for major milestones. If your government has an existing energy, climate, or other related strategy please describe how these strategies relate to each other.

Fort Bend County plans to use EECBG funds to implement cost effective energy efficiency and conservation measures that will promote energy savings, and environmental responsibility. Fort Bend County's Enhance Fort Bend Program will promote energy efficiency by implementing comprehensive cost effective programs that will improve air quality by reducing fossil fuel emissions, reduce total energy consumption by installing renewable energy technology to government buildings, traffic signals and lighting. These strategies will support and expand on the counties current efforts to reduce energy consumption and the cost of operating county buildings as outlined in an energy audit of county buildings and related infrastructure conducted in 2007. Funds will also be used to hire an energy manager to oversee the project's implementation, and assist with development, monitoring and reporting energy gains. All of the projects outlined in this grant are aligned with the eligible activities outlined in the U.S. Department of Energy (DOE) Energy Efficiency and Conservation Block Grants Program Projects. Fort Bend County's Energy Enhancement Projects has two integrated goals, to: 1) Improve existing buildings and facilities and lower the county's energy costs and reduce emissions; and 2) Develop a process to continuously improve facility operations, and set a standard for the community by implementing processes focused on energy efficiency and sustainable development within the county.

An objective of Enhance Fort Bend Energy Efficiency Program is to implement capital improvements that reduce energy and related costs in county facilities, reduce energy consumption, and reduce fuel emissions by 20 to 25%, thus saving an estimated \$15,000 or greater per year. With EECBG funds Fort Bend County will move forward on implementing energy conservation measures identified by a previous audit, and identify and retain the services of a vendor to conduct a current energy audit of county facilities and retrofit and implement the proposed Energy Conservation Measures. The energy audit will specifically identify the energy improvements and operational changes recommended for all county-owned buildings. The county will also complete a detailed investment grade audit detailing the energy strategies and benchmark energy use in county facilities before improvements are made. The EPA's free Portfolio Manager benchmarking tool will be used to complete this objective, and the resulting data will be compared with the energy consumption calculated as a result of the energy improvements. Benchmarking will be complete by February 2010.

A second objective is to use EECBG funds to provide the initial salary for an Energy Efficiency Administrator/Manager scheduled to be hired by October 2009. This person will be responsible for promoting, refining strategies, maintaining and monitoring the capital and operational energy efficiency measures. The energy Manager/Administrator will work with vendors to track improvements and the resulting savings over time using Portfolio Manager and data from Fort Bend County's Energy Management System (EMS) and to report and publicize results to the public. The first report will be made public by October 2010.

Fort Bend County is a member of the Houston-Galveston Area Council and has entered into an intergovernmental agreement to voluntarily implement various mobile emissions reduction measures by 2015. The County's Energy Efficiency Program goals to reduce mobile emissions, and use of electricity over the next six years are intended to contribute to this reduction. Additionally, the retrofit program will become a component of a larger county sustainability plan currently being vetted by county staff. Once complete, every school crossing light and a significant portion of streetlights will be equipped with solar power panels.

2. Describe your government's proposed implementation plan for the use of EECBG Program funds to assist you in achieving the goals and objectives outlined in the strategy describe in question #1. Your description should include a summary of the activities submitted on your activity worksheets, and how each activity supports one or more of your strategy's goals/objectives.

Fort Bend County will use EECBG Program Funds to support the following eligible activities:

Renewable Energy Technologies on Government Buildings

Project #1: Solar Hot Water Retrofit for Fort Bend County Jail

The solar powered renewable energy system will use Alternative Energy Technologies (AET) absorbers designed to collect and meet the needs of a system from 30,000 to 50,000 gallons of hot water. The system will consist of 300, 40 sq.ft. solar collectors and a 5200 gallon storage unit. This strategy is projected to realize cost benefits within the first nine years, thus saving the county eight million dollars over thirty years of the systems lifespan. The total projected cost for this project is \$1,258,379, which includes a feasibility study. However only a portion of the total cost (\$442,100) of this project will be funded by the EECBG Grant. The balance of this renewable energy project will be supported with local Government Capital Improvement Funds. This project is scheduled to be completed within eight months, and will create a minimum of fifteen new jobs.

Eligible Activity: Traffic Signals and Street Lighting/Energy Efficiency Retrofits

Project # 2: Retrofit School Crossing lights with Solar Power;Project # 3: Retrofit Street Lights with Solar power

Project #4 Solar Power outdoor security lights at Parks and County Facilities ;Project # 5 Solar Powered Speed Monitoring Radar
These county wide projects will offset the cost of laying electrical lines to support street, and other outdoor lighting especially in the unincorporated areas of the county and parks. School crossing lighting will be used to increase the safety of children throughout the county within school zones or areas with heavy pedestrian traffic. The speed monitoring devices will enhance safety, and promote compliance with the speed limit, and create a presence. The county expects to receive an immediate return of investment by increasing the safety of our citizens and the elimination of electrical cost associated with lighting those areas. With the exception of the installation of the school crossing lights which is being vetted by county staff the retrofitting of the street and park lights will be executed as a turn key package by an outside contractor. It is anticipated that this portion of the project will be completed within six to nine months.

Eligible Activity: Residential and Commercial Building Energy Audits

Project # 6: County Building Energy Efficiency Audits

This project entails an an audit of the Counties 1.6 million sq.ft. of air conditioned office space @ a cost of 0.25 per square feet. This strategy will identify building energy consumption, analyze current building mechanical equipment, lighting, doors and overall integrity of the buildings. The buildings audits will be done through the use of infrared camera technology to identify conditioned air leakage and insufficient insulation.

Eligible Activity: Energy Efficiency and Conservation Programs for Buildings and Facilities

Project # 7: County Buildings Retrofit

Upon completion of the energy audits of each county building a course of action will be devised to implement building retrofits that positively impact the efficiency of each building. This includes the replacement of lighting fixtures, doors, out-dated less efficient mechanical equipment, and the re-insulation of the buildings. Retrofitting strategies may also include the replacement of tar and gravel roof systems which increases the heat loads on the building HVAC systems. It is anticipated that the retrofitting projects will be completed within the 36 month time frame of this grant funding period.

Eligible Activity: Development and Implementation of Transportation Programs

Under this strategy the county plans to implement two projects designed to reduce fossil fuel emissions, improve health in the community by reducing toxic exhaust particulates, and conserve energy by reducing fleets consumption of fossil fuel as follows:

Project #8: Propane Conversion Pilot Project Precinct 1 Constable-This project involves retrofitting three existing Precinct 1 Constable vehicles ,and install a fueling station with card reader technology, electric and crash protection. The conversion of county vehicles with this fuel will reduce fuel cost with no adverse affects on vehicle operation with an expected 20 to 25% savings in fleet fuel cost, save taxpayer dollars, and reduce vehicle maintenance costs; **Project # 9: Fleet Vehicle Emissions Reduction Apparatus-**This project will further support emissions reduction efforts by installing the Blade apparatus to the tail pipe of cars, SUV's, and light duty trucks to reduce CO2 up to 12%, and capture toxic particulates material(PM) and increase fuel economy up to 12%.

Eligible Activity: Development of an Energy Efficiency and Conservation strategy

Project #10: Employ Energy Efficiency Administrator/Manager

To ensure that these strategies are carried out according to DOE regulations and in a timely manner an Energy Efficiency Administrator/ Manager will be hired and initially funded for a two year period to promote, monitor and maintain the capital and operational energy conservation measures. The energy manager's position will expand to address other energy related initiatives as they develop in Fort Bend County, and provide a solid managerial foundation for additional energy use reductions moving forward.

3. Describe how your government is taking into account the proposed implementation plans and activities for use of funds by adjacent units of local government that are grant recipients under the Program (response not mandatory for Indian Tribes).

Fort Bend County is a member of the Houston- Galveston Area Council(HGAC) and has entered into an intergovernmental agreement to voluntarily implement various mobile emissions reduction measures by 2015. The County's Enhance Fort Bend Energy Efficiency Program's goals to reduce mobile emissions and electricity use over the next six years are intended to contribute to this target reduction goal. This partnership will maximize the value of energy efficiency projects to be realized in the region through cost sharing and the development of best management practices. This framework also allows the participating governments to share lessons learned and best practices with each other.

4. Describe how your government will coordinate and share information with the state in which you are located regarding activities carried out with grant funds to maximize energy efficiency and conservation benefits (response not mandatory for Indian Tribes).

Reports for the consumption of energy for all county buildings are posted on the County's website and this public forum will allow citizens or state agencies to actually track any improvements generated by the implemented strategies. Also, the county has an ozone monitor located at UH, Sugar Land and these reports are listed on the TCEQ website and any long term benefits from the utilization of less energy will be noted and documented. Through the agreement with Houston-Galveston Area Council any improvements in the reduction of emission will be documented and tracked through the council of government's reporting for the State's Improvement Plan for our non-attainment area.

5. Describe how this plan has been designed to ensure that it sustains benefits beyond the EECBG funding period.

Fort Bend County's Enhance Fort Bend Program's are designed for energy efficiency and sustainable development within the county. Each strategy is aligned with the eligible activities outlined by the U.S. Department of Energy (DOE), and designed to promote energy efficiency, improve air quality, and reduce total energy consumption long after the EECBG funds have been expended. These strategies will support and expand on the county's current efforts to reduce energy consumption, the cost of operating county buildings and related infrastructure as we move forward toward a greener Fort Bend.

6. The President has made it clear that every taxpayer dollar spent on our economic recovery must be subject to unprecedented levels of transparency and accountability. Describe the auditing or monitoring procedures currently in place or that will be in place (by what date), to ensure funds are used for authorized purposes and every step is taken to prevent instances of fraud, waste, error, and abuse.

Fort Bend County will use the same monitoring strategy it uses for its HUD-funded grant programs to ensure funds are used for reasonable and authorized purposes. Fort Bend County conducts four types of monitoring – programmatic, fiscal, desk audits and construction/rehabilitation monitoring. Staff will perform desk audits that consist of reviewing data, cost control reports and invoices. The County staff will ensure that all funds are used in accordance with all applicable requirements. Fort Bend County staff will also monitor all construction and rehabilitation projects for compliance with HUD regulations and acceptable industry standards. Staff will be responsible for the following:

- Identifying the required and desired work to be done;
- Consult with, advise and review with appropriate professionals and other personnel the work to be done and the bid proposals;
- Conduct compliance inspections, on a regular basis, to assure that the construction or rehabilitation work is being completed in accordance with the construction contract and appropriate specifications;
- Review contractor invoices and pay requests prior to approving payments to the contractors; and
- Conduct a final inspection to determine that the construction or rehabilitation work has been completed in accordance with the contract and all local, state and federal codes and regulations.

On October 3, 2006 Fort Bend County Commissioner's Court adopted a Fraud Prevention and Detection Policy as part of the employment policy. Fort Bend County is committed to the deterrent, detection and correction of misconduct and dishonesty to prevent fraud. The following internal controls are in place to help prevent fraud:

- Adherence to all organizational procedures, especially those concerning documentation and authorization of transactions
- Physical security over assets such as locking doors and restricting access to certain areas
- Proper training of employees
- Independent review and monitoring of tasks
- Separation of duties so that no one employee is responsible for transaction from start to finish
- Clear line of authority
- Rotation of duties in positions more susceptible to fraud
- Ensuring that employees take regular vacations
- Regular independent audits of areas susceptible to fraud

U.S. DEPARTMENT OF ENERGY

FINANCIAL ASSISTANCE
CERTIFICATIONS AND ASSURANCES
FOR USE WITH SF 424

Applicant: Fort Bend County

Solicitation No.: DE-FOA-000013

The following certifications and assurances must be completed and submitted with each application for financial assistance. The name of the person responsible for making the certifications and assurances must be typed in the signature block on the forms.

Certifications Regarding Lobbying; Debarment, Suspension and Other Responsibility Matters; and Drug Free Workplace Requirements

DOE F 1600.5, Assurance of Compliance Nondiscrimination in Federally Assisted Programs

**CERTIFICATIONS REGARDING LOBBYING;
DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS;
AND DRUG FREE WORKPLACE REQUIREMENTS**

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature of this form provides for compliance with certification requirements under 10 CFR Part 601 "New Restrictions on Lobbying," 10 CFR Part 606 "Governmentwide Debarment and Suspension (Nonprocurement) and 10 CFR Part 607 "Governmentwide Requirements for Drug-Free Workplace (Grants)." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Energy determines to award the covered transaction, grant, or cooperative agreement.

1. LOBBYING

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

2. ADDITIONAL LOBBYING REPRESENTATION

Applicant organizations which are described in section 501(c)(4) of the Internal Revenue Code of 1986 and engage in lobbying activities after December 31, 1995, are not eligible for the receipt of Federal funds constituting an award, grant, or loan.

As set forth in section 3 of the Lobbying Disclosure Act of 1995 as amended, (2 U.S.C. 1602), lobbying activities are defined broadly to include, among other things, contacts on behalf of an organization with specified employees of the Executive Branch and Congress with regard to Federal legislative, regulatory, and program administrative matters.

Check the appropriate block:

The applicant is an organization described in section 501(c)(4) of the Internal Revenue Code of 1986? Yes No

If you checked "Yes" above, check the appropriate block:

The applicant represents that after December 31, 1995 it has has not engaged in any lobbying activities as defined in the Lobbying Disclosure Act of 1995, as amended.

3. DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust

statutes or commission of embezzlement, theft, forgery, bribery; falsification or destruction of records, making false statements, or receiving stolen property;

- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

4. DRUG-FREE WORKPLACE

This certification is required by the Drug-Free Workplace Act of 1988 (Pub.L. 100-690, Title V, Subtitle D) and is implemented through additions to the Debarment and Suspension regulations, published in the Federal Register on January 31, 1989, and May 25, 1990.

ALTERNATE I (GRANTEES OTHER THAN INDIVIDUALS)

- (1) The grantee certifies that it will or will continue to provide a drug-free workplace by:
- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
 - (b) Establishing an ongoing drug-free awareness program to inform employees about:
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
 - (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
 - (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will:
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace not later than five calendar days after such conviction;
 - (e) Notifying the agency, in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer or other designee on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
 - (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted:
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State or local health, law enforcement, or other appropriate agency;
 - (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a),(b),(c),(d),(e), and (f).

- (2) The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance: (Street address, city, county, state, zip code)

301 Jackson St. Richmond, Texas 77469

4520 Reading Road, Rosenberg, Texas 77471

1410 Ransom Road, Richmond, Texas 77471

Check if there are workplaces on file that are not identified here.

ALTERNATE II (GRANTEES WHO ARE INDIVIDUALS)

- (1) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant.
- (2) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to every grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

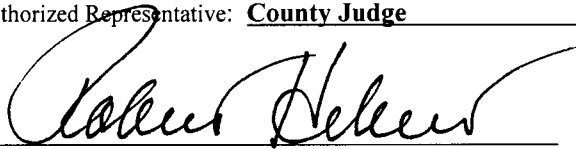
5. SIGNATURE

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above certifications.

Name of Applicant: **Robert Hebert**

Printed Name and Title of

Authorized Representative: **County Judge**



SIGNATURE

June 23, 2009
DATE

U.S. Department of Energy
Assurance of Compliance

Nondiscrimination in Federally Assisted Programs

OMB Burden Disclosure Statement

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of Information Resources Management Policy, Plans, and Oversight, Records Management Division, HR-422 - GTN, Paperwork Reduction Project (1900-0400), U.S. Department of Energy, 1000 Independence Avenue, S.W., Washington, DC 20585; and to the Office of Management and Budget (OMB), Paperwork Reduction Project (1900-0400), Washington, DC 20503.

Fort Bend County (Hereinafter called the "Applicant")

HEREBY AGREES to comply with Title VI of the Civil Rights Act of 1964 (Pub. L.88-352), Section 16 of the Federal Energy Administration Act of 1974 (Pub.L.93-275), Section 401 of the Energy Reorganization Act of 1974 (Pub.L.93-438), Title IX of the Education Amendments of 1972, as amended (Pub.L.92-318, Pub.L.93-568, and Pub.L.94-482), Section 504 of the Rehabilitation Act of 1973 (Pub.L.93-112), the Age Discrimination Act of 1975 (Pub.L.94-135), Title VIII of the Civil Rights Act of 1968 (Pub.L.90-284), the Department of Energy Organization Act of 1977 (Pub.L.95-91), and the Energy Conservation and Production Act of 1976, as amended (Pub.L.94-385) and Title 10, Code of Federal Regulations, Part 1040. In accordance with the above laws and regulations issued pursuant thereto, the Applicant agrees to assure that no person in the United States shall, on the ground of race, color, national origin, sex, age, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity in which the Applicant receives Federal assistance from the Department of Energy.

Applicability and Period of Obligation

In the case of any service, financial aid, covered employment, equipment, property, or structure provided, leased, or improved with Federal assistance extended to the Applicant by the Department of Energy, this assurance obligates the Applicant for the period during which Federal assistance is extended. In the case of any transfer of such service, financial aid, equipment, property, or structure, this assurance obligates the transferee for the period during which Federal assistance is extended. If any personal property is so provided, this assurance obligates the Applicant for the period during which it retains ownership or possession of the property. In all other cases, this assurance obligates the Applicant for the period during which the Federal assistance is extended to the Applicant by the Department of Energy.

Employment Practices

Where a primary objective of the Federal assistance is to provide employment or where the Applicant's employment practices affect the delivery of services in programs or activities resulting from Federal assistance extended by the Department, the Applicant agrees not to discriminate on the ground of race, color, national origin, sex, age, or disability, in its employment practices. Such employment practices may include, but are not limited to, recruitment advertising, hiring, layoff or termination, promotion, demotion, transfer, rates of pay, training and participation in upward mobility programs; or other forms of compensation and use of facilities.

Subrecipient Assurance

The Applicant shall require any individual, organization, or other entity with whom it subcontracts, subgrants, or subleases for the purpose of providing any service, financial aid, equipment, property, or structure to comply with laws cited above. To this end, the subrecipient shall be required to sign a written assurance form, however, the obligation or both recipient and subrecipient to ensure compliance is not relieved by the collection or submission of written assurance forms.

Data Collection and Access to Records

The Applicant agrees to compile and maintain information pertaining to programs or activities developed as a result of the Applicant's receipt of Federal assistance from the Department of Energy. Such information shall include, but is not limited to, the following: (1) the manner in which services are or will be provided and related data necessary for determining whether any persons are or will be denied such services on the basis of prohibited discrimination; (2) the population eligible to be served by race, color, national origin, sex, age, and disability; (3) data regarding covered employment including use or planned use of bilingual public contact employees serving beneficiaries of the program where necessary to permit effective participation by beneficiaries unable to speak or understand English; (4) the location of existing or proposed facilities connected with the program and related information adequate for determining whether the location has or will have the effect of unnecessarily denying access to any person on the basis of prohibited discrimination; (5) the present or proposed membership by race, color, national origin, sex, age, and disability, in any planning or advisory body which is an integral part of the program; and (6) any additional written data determined by the Department of Energy to be relevant to its obligation to assure compliance by recipients with laws cited in the first paragraph of this assurance.

The Applicant agrees to submit requested data to the Department of Energy regarding programs and activities developed by the Applicant from the use of Federal assistance funds extended by the Department of Energy, Facilities of the Applicant (including the physical plants, building, or other structures) and all records, books, accounts, and other sources of information pertinent to the Applicant's compliance with the civil rights laws shall be made available for inspection during normal business hours on request of an officer or employee of the Department of Energy specifically authorized to make such inspections. Instructions in this regard will be provided by the Director, Office of Civil Rights, U.S. Department of Energy.

This assurance is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts (excluding procurement contracts), property, discounts or other Federal assistance extended after the date hereto, to the Applicants by the Department of Energy, including installment payments on account after such data of application for Federal assistance which are approved before such date. The Applicant recognizes and agrees that such Federal assistance will be extended in reliance upon the representation and agreements made in this assurance and that the United States shall have the right to seek judicial enforcement of this assurance. This assurance is binding on the Applicant, the successors, transferees, and assignees, as well as the person(s) whose signature appears below and who are authorized to sign this assurance on behalf of the Applicant.

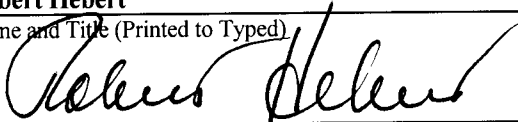
Applicant Certification

The Applicant certifies that it has complied, or that, within 90 days of the date of the grant, it will comply with all applicable requirements of 10 C.F.R. § 1040.5 (a copy will be furnished to the Applicant upon written request to DOE).

Designated Responsible Employee

Robert Hebert

Name and Title (Printed to Typed)



Signature

(281) 341 - 8608

Telephone Number

6/23/2009

Date

Fort Bend County

Applicant's Name

301 Jackson St.

Address:

Richmond, Texas 77469

(281) 341 - 8608

Telephone Number

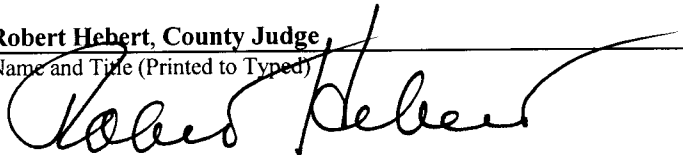
6/23/2009

Date

Authorized Official:
President, Chief Executive Officer
or Authorized Designee

Robert Hebert, County Judge

Name and Title (Printed to Typed)



Signature

(281) 341 - 8608

Telephone Number

June 23, 2009

Date

CERTIFICATIONS AND ASSURANCES

**For Use with
SF 424, Block 21
SF 424 (R&R), Block 18
SF 424 Mandatory, Block 17
SF 424 Individual, Block 7**

PART 1. GOVERNMENT-WIDE CERTIFICATION

A. Certification Regarding Lobbying Restrictions in 31 U.S.C. 1352

I certify, to the best of my knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the applicant, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the Federal contract, grant, loan, or cooperative agreement, the applicant shall complete and submit Standard Form - LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The applicant shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance will be placed when entering into any transaction made or entered into as a result of this application. Submission of this certification is a prerequisite for making or entering into a transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certificate shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000 for each such failure.

PART 2. DOE-SPECIFIC ASSURANCES

ATTACHMENTS

- A. NATIONAL POLICY ASSURANCES TO BE INCORPORATED AS AWARD TERMS
- B. DOE F 1600.5 Assurance of Compliance – Nondiscrimination in Federally Assisted Programs

Nondiscrimination in Federally Assisted Programs

OMB Burden Disclosure Statement

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of Information Resources Management Policy, Plans, and Oversight, Records Management Division, HR-422 - GTN, Paperwork Reduction Project (1900-0400), U.S. Department of Energy, 1000 Independence Avenue, S.W., Washington, DC 20585; and to the Office of Management and Budget (OMB), Paperwork Reduction Project (1900-0400), Washington, DC 20503.

The Applicant hereby AGREES to comply with Title VI of the Civil Rights Act of 1964 (Pub. L.88-352), Section 16 of the Federal Energy Administration Act of 1974 (Pub.L.93-275), Section 401 of the Energy Reorganization Act of 1974 (Pub.L.93-438), Title IX of the Education Amendments of 1972, as amended (Pub.L.92-318, Pub.L.93-568, and Pub.L.94-482), Section 504 of the Rehabilitation Act of 1973 (Pub.L.93-112), the Age Discrimination Act of 1975 (Pub.L.94-135), Title VIII of the Civil Rights Act of 1968 (Pub.L.90-284), the Department of Energy Organization Act of 1977 (Pub.L.95-91), and the Energy Conservation and Production Act of 1976, as amended (Pub.L.94-385) and Title 10, Code of Federal Regulations, Part 1040. In accordance with the above laws and regulations issued pursuant thereto, the Applicant agrees to assure that no person in the United States shall, on the ground of race, color, national origin, sex, age, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity in which the Applicant receives Federal assistance from the Department of Energy.

Applicability and Period of Obligation

In the case of any service, financial aid, covered employment, equipment, property, or structure provided, leased, or improved with Federal assistance extended to the Applicant by the Department of Energy, this assurance obligates the Applicant for the period during which Federal assistance is extended. In the case of any transfer of such service, financial aid, equipment, property, or structure, this assurance obligates the transferee for the period during which Federal assistance is extended. If any personal property is so provided, this assurance obligates the Applicant for the period during which it retains ownership or possession of the property. In all other cases, this assurance obligates the Applicant for the period during which the Federal assistance is extended to the Applicant by the Department of Energy.

Employment Practices

Where a primary objective of the Federal assistance is to provide employment or where the Applicant's employment practices affect the delivery of services in programs or activities resulting from Federal assistance extended by the Department, the Applicant agrees not to discriminate on the ground of race, color, national origin, sex, age, or disability, in its employment practices. Such employment practices may include, but are not limited to, recruitment advertising, hiring, layoff or termination, promotion, demotion, transfer, rates of pay, training and participation in upward mobility programs; or other forms of compensation and use of facilities.

Subrecipient Assurance

The Applicant shall require any individual, organization, or other entity with whom it subcontracts, subgrants, or subleases for the purpose of providing any service, financial aid, equipment, property, or structure to comply with laws cited above. To this end, the subrecipient shall be required to sign a written assurance form, however, the obligation or both recipient and subrecipient to ensure compliance is not relieved by the collection or submission of written assurance forms.

Data Collection and Access to Records

The Applicant agrees to compile and maintain information pertaining to programs or activities developed as a result of the

Applicant's receipt of Federal assistance from the Department of Energy. Such information shall include, but is not limited to, the following: (1) the manner in which services are or will be provided and related data necessary for determining whether any persons are or will be denied such services on the basis of prohibited discrimination; (2) the population eligible to be served by race, color, national origin, sex, age, and disability; (3) data regarding covered employment including use or planned use of bilingual public contact employees serving beneficiaries of the program where necessary to permit effective participation by beneficiaries unable to speak or understand English; (4) the location of existing or proposed facilities connected with the program and related information adequate for determining whether the location has or will have the effect of unnecessarily denying access to any person on the basis of prohibited discrimination; (5) the present or proposed membership by race, color, national origin, sex, age, and disability, in any planning or advisory body which is an integral part of the program; and (6) any additional written data determined by the Department of Energy to be relevant to its obligation to assure compliance by recipients with laws cited in the first paragraph of this assurance.

The Applicant agrees to submit requested data to the Department of Energy regarding programs and activities developed by the Applicant from the use of Federal assistance funds extended by the Department of Energy, Facilities of the Applicant (including the physical plants, building, or other structures) and all records, books, accounts, and other sources of information pertinent to the Applicant's compliance with the civil rights laws shall be made available for inspection during normal business hours on request of an officer or employee of the Department of Energy specifically authorized to make such inspections. Instructions in this regard will be provided by the Director, Office of Civil Rights, U.S. Department of Energy.

This assurance is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts (excluding procurement contracts), property, discounts or other Federal assistance extended after the date hereto, to the Applicants by the Department of Energy, including installment payments on account after such data of application for Federal assistance which are approved before such date. The Applicant recognizes and agrees that such Federal assistance will be extended in reliance upon the representation and agreements made in this assurance and that the United States shall have the right to seek judicial enforcement of this assurance. This assurance is binding on the Applicant, the successors, transferees, and assignees, as well as the person(s) whose signature appears below and who are authorized to sign this assurance on behalf of the Applicant.

Applicant Certification

The Applicant certifies that it has complied, or that, within 90 days of the date of the grant, it will comply with all applicable requirements of 10 C.F.R. § 1040.5 (a copy will be furnished to the Applicant upon written request to DOE).

NETL F 451.1-EECBG
(3/2009) OPI=320
(Previous Editions Obsolete)

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

I. BACKGROUND

The Department of Energy (DOE) National Environmental Policy Act (NEPA) Implementing Procedures (10 CFR 1021) require careful consideration of the potential environmental consequences of all proposed actions during the early planning stages of a project or activity. DOE must determine at the earliest possible time whether such actions will require either an Environmental Assessment or an Environmental Impact Statement, or whether they qualify for a Categorical Exclusion. To comply with these requirements, an Environmental Questionnaire must be completed for each proposed action to provide DOE with the information necessary to determine the appropriate level of NEPA review.

II. INSTRUCTIONS

Separate copies of the Environmental Questionnaire should be completed by the principal proposer and appropriate proposer's subcontractor. In addition, if the proposed project includes activities at different locations, an independent questionnaire should be prepared for each location. Supporting information can be provided as attachments.

In completing this Questionnaire, the proposer is requested to provide specific information and quantities, when applicable, regarding air emissions, wastewater discharges, solid wastes, etc., to facilitate the necessary review. The proposer should identify the location of the project and specifically describe the activities that would occur at that location. In addition, the proposer will be required to submit an official copy of the project's statement of work (SOW) or statement of project objective (SOPO) that will be used in the contract/agreement between the proposer and DOE.

III. QUESTIONNAIRE

A. PROJECT SUMMARY

1. Solicitation/Project Number: DE-FOA-0000013
2. Proposer: Fort Bend County
3. Principal Investigator: Ann Werlein
Telephone Number: 281-341-8634
4. Project Title: Enhance Fort Bend
5. Duration: 36 mos
6. Location(s) of Performance (City/Township, County, State): 301 Jackson Street
Richmond, Texas
77469
7. Identify and select checkbox with the predominant project work activities under Group A-7b or A-7c.

Group A-7b

- Work or project activities does NOT involve new building/facilities construction and site preparation activities. This work typically involves routine operation, modification, and retrofit of existing utility and transportation infrastructure, laboratories, commercial buildings/properties, offices and homes, test facilities, factories/power plants, vehicles test stands and components, refueling facilities, greenspace infrastructure, or other existing facilities.

Group A-7c

- Work or project activities typically involves major building or facility construction, site preparation; the installation, replacement, or major modifications of energy system prototypes and infrastructure, access right-of-ways and roads; utility, greenspace, and transportation infrastructure, vehicle test facilities; commercial buildings/properties, fuel refinery/mixing facilities, factories/power plants; and other types of energy efficiency/conservation related systems, structures, and facilities. This work can require new or modified regulatory permits, environmental sampling and monitoring requirements, master planning, public involvement, and environmental impact review.
- Other types of work or project activities not listed. (please describe):
8. Summarize the objectives of the proposed work. List activities planned at the location as covered by this Environmental Questionnaire. The objectives will include various equipment conversion, tasks, and employment positions. One item is to conduct a conversion to solar-powered hot water for the Fort Bend County jail facility. Another item is to include purchases and / or conversions to solar-powered street lights and school crossing sign lighting. Third, the grant will include emissions reduction equipment to be retrofitted with the exhaust system on county vehicles, and propane fueling conversion on the Precinct 1 vehicles. Last, this work will involve the need for a two-year grant-funded position to complete these tasks.
9. List all other locations where proposed work or project would be performed by project's proposer and subcontractors. Other than the solar-powered hot water conversion at the county jail, the other items are likely to be examined and located at various places throughout Fort Bend County.
10. Identify major project operation related materials and waste that would be used, consumed, and produced by this project or activity. All solar-powered projects are likely to involve various types of solar heating panels and related electrical-charging equipment. The emissions reduction equipment is likely to involve specialized catalytic converters and related piping with metals that can handle this type of emissions removal. The Precinct 1 vehicles will likely need to be retrofitted with specialized engine and fueling systems to run on propane gas.
11. Provide a brief description of the project location (physical location, surrounding area, adjacent structures). The location of the county jail is on Ransom Road (Williams Way) in Richmond, Texas. The surrounding area is considered suburban type, with several county maintenance facilities behind the jail. A new county offices and courthouse system is being constructed across the street.
12. Attach a site plan or topographic map of the project work area.

B. ENVIRONMENTAL IMPACTS

This section is designed to obtain information for objectively assessing the environmental impacts of a proposed project. NEPA procedures require evaluations of possible effects (including land use, energy resource use, natural, historic and cultural resources, and pollutants) from proposed projects on the environment.

1. Land Use

a. Characterize present land use where the proposed project would be located.

- | | | | |
|---|--|--------------------------------------|--|
| <input checked="" type="checkbox"/> Urban | <input type="checkbox"/> Industrial | <input type="checkbox"/> Commercial | <input type="checkbox"/> Agricultural |
| <input type="checkbox"/> Suburban | <input type="checkbox"/> Rural | <input type="checkbox"/> Residential | <input type="checkbox"/> Research Facilities |
| <input type="checkbox"/> Forest | <input type="checkbox"/> University Campus | <input type="checkbox"/> Other | |

b. Describe how land use would be affected by planned construction and project activities.

- No construction would be anticipated for this project.

- c. Describe any plans to reclaim/replant areas that would be affected by the proposed project.
 No land areas would be affected.
- d. Would the proposed project affect any unique or unusual landforms (e.g., cliffs, waterfalls, etc.)?
 No Yes (describe)
- e. Would the proposed project be located in or near a national park or wilderness area?
 No Yes (describe)

If project work activities falls under item A-7b; then proceed directly to question B.6 (Atmospheric Conditions/Air Quality) and continue to fill out questionnaire.

If project work falls under item A-7c; then proceed directly below to question B.2 (Construction Activities and/or Operations) and continue to fill out questionnaire.

2. Construction Activities and/or Operations

- a. Identify any roads, trails, or utility right of ways that traverse the proposed site or will be constructed and clearly mark them on project site maps.
 None
- b. Would the proposed project require the construction of settling ponds?
 No Yes (describe and identify location, and estimate surface area disturbed)
- c. Would the proposed project affect any existing body of water?
 No Yes (describe)
- d. Would the proposed project be located in or impact a floodplain or wetland?
 No Yes (describe)
- e. Would the proposed project be likely to cause runoff/sedimentation/erosion?
 No Yes (describe)

3. Vegetation and Wildlife Resources

- a. Identify any State- or Federal-listed endangered or threatened plant or animal species affected by the proposed project.
 None
- b. Would any foreign substances/materials be introduced into ground or surface waters, or other earth/geologic resource because of project activities? Would these foreign substances/materials affect the water, soil, and geologic resources?
 No Yes (describe)
- c. Would any migratory animal corridors be impacted or disrupted by the proposed project?
 No Yes (describe)

4. Socioeconomic and Infrastructure Conditions.

- a. Would local socio-economic changes result from the proposed project?
 No Yes (describe)

- b. Would the proposed project generate increased traffic use of roads through local neighborhoods, urban or rural areas.?
 - No Yes (describe)
- c. Would the proposed project require new transportation access (roads, rail, etc.)? Describe location, impacts, costs.
 - No Yes (describe)
- d. Would any new transmission lines and/or power line right-of-ways be required?
 - No Yes (describe location, voltage, and length of line)

5. Historical/Cultural Resources

- a. Describe any historical, archeological, or cultural sites in the vicinity of the proposed project; note any sites included on the National Register of Historic Places.
 - None
 - Fort Bend County Court House- Constructed 1908- on National Registry
- b. Would construction or operational activities planned under the proposed project disturb any historical, archeological, or cultural sites?
 - No planned construction No historic sites Yes (describe)
- c. Would the proposed project interfere with visual resources (e.g., eliminate scenic views) or alter the present landscape?
 - No Yes (describe)

For all proposed project work activities identified under item A-7b, respond to item B6 directly below and continue filling out environmental questionnaire.

6. Atmospheric Conditions/Air Quality

- a. Identify air quality conditions in the immediate vicinity of the proposed project with regard to attainment of National Ambient Air Quality Standards (NAAQS). This information is available under the NAAQS tables from the U.S. EPA Air and Radiation Division.

	<u>Attainment</u>	<u>Non-Attainment</u>
O ₃	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SO _x	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CO	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NO ₂	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lead	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- b. Would proposed project require issuance of new or modified major source air quality permits?
 - No Yes (describe)
- c. Would the proposed project be in compliance with the National Emissions Standards for Hazardous Air Pollutants?
 - No (explain) Yes
- d. Would the proposed project be classified as either a New Source or a major modification to an existing source?
 - No Yes (describe)
- e. Would the proposed project be in compliance with the New Source Performance Standards?
 - Not Applicable No (explain) Yes
- f. Would the proposed project be subject to prevention of significant deterioration air quality review?
 - Not applicable No (explain) Yes (describe)

- g. What types of air emissions, including fugitive emissions, would be anticipated from the proposed project?
N/A
- h. Would any types of emission control or particulate collection devices be used?
 No Yes (describe, including collection efficiencies) The County will make use of an innovative devise that attaches to tailpipes of gasoline vehicles that does three things: 1) reduces emissions of CO₂; 2) reduces emissions of toxic particulate material, and 3) improves fuel efficiency. This product will reduce CO₂ emissions by an average of 6% per vehicle.
- i. If no control devices are used, how would emissions be vented?

7. Hydrologic Conditions/Water Quality

- a. What is the closest body of water to the proposed project area and what is its distance from the project site?
Brazos River, at 1500 feet from the jail.
- b. What sources would supply potable and process water for the proposed project?
City of Richmond, Texas
- c. Quantify the daily or annual amount of wastewater that would be generated by the proposed project.
N/A
- d. Identify the local treatment facility that would receive wastewater from the proposed project.
 No discharges to local treatment facility
- e. Describe how wastewater would be collected and treated.
N/A
- f. Would any run-off or leachates be produced from storage piles or waste disposal sites?
 No Yes (describe source)
- g. Would project require issuance of new or modified water permits to perform project work or site development?
 No Yes (describe)
- h. Where would wastewater effluents from the proposed project be discharged?
 No wastewater produced
- i. Would the proposed project be permitted to discharge effluents into an existing body of water?
 No Yes (describe water use and effluent impact)
- j. Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required?
 No Yes (describe)
- k. Would the proposed project adversely affect the quality or movement of groundwater?
 No Yes (describe)

8. Solid and Hazardous Wastes

- a. Describe and estimate major nonhazardous solid wastes that would be generated from the project. Solid wastes are defined as any solid, liquid, semi-solid, or contained gaseous material that is discarded or has served its intended purpose, or is a manufacturing or mining by-product (40 CFR 260, Appendix I). Mainly construction waste and the need to recycle old catalytic converters / piping and gasoline engines / fueling systems (for the propane-powered vehicles).

b. Would project require issuance of new or modified solid waste and/or hazardous waste related permits to perform project work activities?
 No Yes (explain)

c. How and where would solid waste disposal be accomplished?
 On-site (identify and describe location)
 Off-site (identify location and describe facility and treatment)

d. How would wastes for disposal be transported?
By an approved vendor that handles this type of material for proper disposal.

e. Describe and estimate the quantity of hazardous wastes (40 CFR 261.31) that would be generated, used, or stored under this project.
 None

f. How would hazardous or toxic waste be collected and stored?
 None used or produced

g. If hazardous wastes would require off-site disposal, have arrangements been made with a certified TSD (Treatment, Storage, and Disposal) facility?
 Not required Arrangements not yet made Arrangements made with a certified TSD facility (identify):

C. **DESCRIBE ANY ISSUES THAT WOULD GENERATE PUBLIC CONTROVERSY REGARDING THE PROPOSED PROJECT.**
 None

IV. CERTIFICATION BY PROPOSER

I hereby certify that the information provided herein is current, accurate, and complete as of the date shown immediately below.

SIGNATURE: _____ DATE: ____ / ____ / ____
month day year
TYPED NAME: _____
TITLE: _____
ORGANIZATION: _____

V. REVIEW AND APPROVAL BY DOE

I hereby certify that I have reviewed the information provided in this questionnaire, have determined that all questions have been appropriately answered, and judge the responses to be consistent with the efforts proposed.

PROJECT MANAGER:

SIGNATURE: _____ DATE: ____ / ____ / ____
month day year

TYPED NAME: _____

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(3/2009) OPI=320
(Previous Editions Obsolete)

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

I. BACKGROUND

The Department of Energy (DOE) National Environmental Policy Act (NEPA) Implementing Procedures (10 CFR 1021) require careful consideration of the potential environmental consequences of all proposed actions during the early planning stages of a project or activity. DOE must determine at the earliest possible time whether such actions will require either an Environmental Assessment or an Environmental Impact Statement, or whether they qualify for a Categorical Exclusion. To comply with these requirements, an Environmental Questionnaire must be completed for each proposed action to provide DOE with the information necessary to determine the appropriate level of NEPA review.

II. INSTRUCTIONS

Separate copies of the Environmental Questionnaire should be completed by the principal proposer and appropriate proposer's subcontractor. In addition, if the proposed project includes activities at different locations, an independent questionnaire should be prepared for each location. Supporting information can be provided as attachments.

In completing this Questionnaire, the proposer is requested to provide specific information and quantities, when applicable, regarding air emissions, wastewater discharges, solid wastes, etc., to facilitate the necessary review. The proposer should identify the location of the project and specifically describe the activities that would occur at that location. In addition, the proposer will be required to submit an official copy of the project's statement of work (SOW) or statement of project objective (SOPO) that will be used in the contract/agreement between the proposer and DOE.

III. QUESTIONNAIRE

A. PROJECT SUMMARY

1. Solicitation/Project Number: DE-FOA-0000013
2. Proposer: Fort Bend County
3. Principal Investigator: Ann Werlein
Telephone Number: 281-341-8634
4. Project Title: Enhance Fort Bend
5. Duration: 36 mos
6. Location(s) of Performance (City/Township, County, State): 301 Jackson Street
Richmond, Texas
77469
7. Identify and select checkbox with the predominant project work activities under Group A-7b or A-7c.

Group A-7b

- Work or project activities does NOT involve new building/facilities construction and site preparation activities. This work typically involves routine operation, modification, and retrofit of existing utility and transportation infrastructure, laboratories, commercial buildings/properties, offices and homes, test facilities, factories/power plants, vehicles test stands and components, refueling facilities, greenspace infrastructure, or other existing facilities.

Group A-7c

Work or project activities typically involves major building or facility construction, site preparation; the installation, replacement, or major modifications of energy system prototypes and infrastructure, access right-of-ways and roads; utility, greenspace, and transportation infrastructure, vehicle test facilities; commercial buildings/properties, fuel refinery/mixing facilities, factories/power plants; and other types of energy efficiency/conservation related systems, structures, and facilities. This work can require new or modified regulatory permits, environmental sampling and monitoring requirements, master planning, public involvement, and environmental impact review.

Other types of work or project activities not listed. (please describe):

8. Summarize the objectives of the proposed work. List activities planned at the location as covered by this Environmental Questionnaire. The objectives will include various equipment conversion, tasks, and employment positions. One item is to conduct a conversion to solar-powered hot water for the Fort Bend County jail facility. Another item is to include purchases and / or conversions to solar-powered street lights and school crossing sign lighting. Third, the grant will include emissions reduction equipment to be retrofitted with the exhaust system on county vehicles, and propane fueling conversion on the Precinct 1 vehicles. Last, this work will involve the need for a two-year grant-funded position to complete these tasks.

9. List all other locations where proposed work or project would be performed by project’s proposer and subcontractors. Other than the solar-powered hot water conversion at the county jail, the other items are likely to be examined and located at various places throughout Fort Bend County.

10. Identify major project operation related materials and waste that would be used, consumed, and produced by this project or activity. All solar-powered projects are likely to involve various types of solar heating panels and related electrical-charging equipment. The emissions reduction equipment is likely to involve specialized catalytic converters and related piping with metals that can handle this type of emissions removal. The Precinct 1 vehicles will likely need to be retrofitted with specialized engine and fueling systems to run on propane gas.

11. Provide a brief description of the project location (physical location, surrounding area, adjacent structures). The location of the county jail is on Ransom Road (Williams Way) in Richmond, Texas. The surrounding area is considered suburban type, with several county maintenance facilities behind the jail. A new county offices and courthouse system is being constructed across the street.

12. Attach a site plan or topographic map of the project work area.

B. ENVIRONMENTAL IMPACTS

This section is designed to obtain information for objectively assessing the environmental impacts of a proposed project. NEPA procedures require evaluations of possible effects (including land use, energy resource use, natural, historic and cultural resources, and pollutants) from proposed projects on the environment.

1. Land Use

a. Characterize present land use where the proposed project would be located.

- | | | | |
|---|--|--------------------------------------|--|
| <input checked="" type="checkbox"/> Urban | <input type="checkbox"/> Industrial | <input type="checkbox"/> Commercial | <input type="checkbox"/> Agricultural |
| <input type="checkbox"/> Suburban | <input type="checkbox"/> Rural | <input type="checkbox"/> Residential | <input type="checkbox"/> Research Facilities |
| <input type="checkbox"/> Forest | <input type="checkbox"/> University Campus | <input type="checkbox"/> Other | |

b. Describe how land use would be affected by planned construction and project activities.

No construction would be anticipated for this project.

- c. Describe any plans to reclaim/replant areas that would be affected by the proposed project.
 No land areas would be affected.
- d. Would the proposed project affect any unique or unusual landforms (e.g., cliffs, waterfalls, etc.)?
 No Yes (describe)
- e. Would the proposed project be located in or near a national park or wilderness area?
 No Yes (describe)

If project work activities falls under item A-7b; then proceed directly to question B.6 (Atmospheric Conditions/Air Quality) and continue to fill out questionnaire.

If project work falls under item A-7c; then proceed directly below to question B.2 (Construction Activities and/or Operations) and continue to fill out questionnaire.

2. Construction Activities and/or Operations

- a. Identify any roads, trails, or utility right of ways that traverse the proposed site or will be constructed and clearly mark them on project site maps.
 None
- b. Would the proposed project require the construction of settling ponds?
 No Yes (describe and identify location, and estimate surface area disturbed)
- c. Would the proposed project affect any existing body of water?
 No Yes (describe)
- d. Would the proposed project be located in or impact a floodplain or wetland?
 No Yes (describe)
- e. Would the proposed project be likely to cause runoff/sedimentation/erosion?
 No Yes (describe)

3. Vegetation and Wildlife Resources

- a. Identify any State- or Federal-listed endangered or threatened plant or animal species affected by the proposed project.
 None
- b. Would any foreign substances/materials be introduced into ground or surface waters, or other earth/geologic resource because of project activities? Would these foreign substances/materials affect the water, soil, and geologic resources?
 No Yes (describe)
- c. Would any migratory animal corridors be impacted or disrupted by the proposed project?
 No Yes (describe)

4. Socioeconomic and Infrastructure Conditions.

- a. Would local socio-economic changes result from the proposed project?
 No Yes (describe)

- b. Would the proposed project generate increased traffic use of roads through local neighborhoods, urban or rural areas.?
 No Yes (describe)
- c. Would the proposed project require new transportation access (roads, rail, etc.)? Describe location, impacts, costs.
 No Yes (describe)
- d. Would any new transmission lines and/or power line right-of-ways be required?
 No Yes (describe location, voltage, and length of line)

5. Historical/Cultural Resources

- a. Describe any historical, archeological, or cultural sites in the vicinity of the proposed project; note any sites included on the National Register of Historic Places.
 None
 Fort Bend County Court House- Constructed 1908- on National Registry
- b. Would construction or operational activities planned under the proposed project disturb any historical, archeological, or cultural sites?
 No planned construction No historic sites Yes (describe)
- c. Would the proposed project interfere with visual resources (e.g., eliminate scenic views) or alter the present landscape?
 No Yes (describe)

For all proposed project work activities identified under item A-7b, respond to item B6 directly below and continue filling out environmental questionnaire.

6. Atmospheric Conditions/Air Quality

- a. Identify air quality conditions in the immediate vicinity of the proposed project with regard to attainment of National Ambient Air Quality Standards (NAAQS). This information is available under the NAAQS tables from the U.S. EPA Air and Radiation Division.

	<u>Attainment</u>	<u>Non-Attainment</u>
O ₃	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SO _x	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PM ₁₀	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CO	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NO ₂	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Lead	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- b. Would proposed project require issuance of new or modified major source air quality permits?
 No Yes (describe)
- c. Would the proposed project be in compliance with the National Emissions Standards for Hazardous Air Pollutants?
 No (explain) Yes
- d. Would the proposed project be classified as either a New Source or a major modification to an existing source?
 No Yes (describe)
- e. Would the proposed project be in compliance with the New Source Performance Standards?
 Not Applicable No (explain) Yes

- f. Would the proposed project be subject to prevention of significant deterioration air quality review?
 Not applicable No (explain) Yes (describe)
- g. What types of air emissions, including fugitive emissions, would be anticipated from the proposed project?
 N/A
- h. Would any types of emission control or particulate collection devices be used?
 No Yes (describe, including collection efficiencies) The County will make use of an innovative devise that attaches to tailpipes of gasoline vehicles that does three things: 1) reduces emissions of CO₂; 2) reduces emissions of toxic particulate material, and 3) improves fuel efficiency. This product will reduce CO₂ emissions by an average of 6% per vehicle.
- i. If no control devices are used, how would emissions be vented?

7. Hydrologic Conditions/Water Quality

- a. What is the closest body of water to the proposed project area and what is its distance from the project site?
 Brazos River, at 1500 feet from the jail.
- b. What sources would supply potable and process water for the proposed project?
 City of Richmond, Texas
- c. Quantify the daily or annual amount of wastewater that would be generated by the proposed project.
 N/A
- d. Identify the local treatment facility that would receive wastewater from the proposed project.
 No discharges to local treatment facility
- e. Describe how wastewater would be collected and treated.
 N/A
- f. Would any run-off or leachates be produced from storage piles or waste disposal sites?
 No Yes (describe source)
- g. Would project require issuance of new or modified water permits to perform project work or site development?
 No Yes (describe)
- h. Where would wastewater effluents from the proposed project be discharged?
 No wastewater produced
- i. Would the proposed project be permitted to discharge effluents into an existing body of water?
 No Yes (describe water use and effluent impact)
- j. Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required?
 No Yes (describe)
- k. Would the proposed project adversely affect the quality or movement of groundwater?
 No Yes (describe)

8. Solid and Hazardous Wastes

- a. Describe and estimate major nonhazardous solid wastes that would be generated from the project. Solid wastes are defined as any solid, liquid, semi-solid, or contained gaseous material that is discarded or has served its intended purpose, or is a manufacturing or mining by-product (40 CFR 260, Appendix I). Mainly construction waste and the

need to recycle old catalytic converters / piping and gasoline engines / fueling systems (for the propane-powered vehicles).

- b. Would project require issuance of new or modified solid waste and/or hazardous waste related permits to perform project work activities?

No Yes (explain)

- c. How and where would solid waste disposal be accomplished?

On-site (identify and describe location)
 Off-site (identify location and describe facility and treatment)

- d. How would wastes for disposal be transported?

By an approved vendor that handles this type of material for proper disposal.

- e. Describe and estimate the quantity of hazardous wastes (40 CFR 261.31) that would be generated, used, or stored under this project.

None

- f. How would hazardous or toxic waste be collected and stored?

None used or produced

- g. If hazardous wastes would require off-site disposal, have arrangements been made with a certified TSD (Treatment, Storage, and Disposal) facility?

Not required Arrangements not yet made Arrangements made with a certified TSD facility (identify):

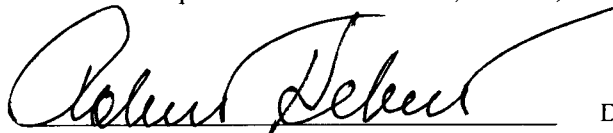
C. DESCRIBE ANY ISSUES THAT WOULD GENERATE PUBLIC CONTROVERSY REGARDING THE PROPOSED PROJECT.

None

IV. CERTIFICATION BY PROPOSER

I hereby certify that the information provided herein is current, accurate, and complete as of the date shown immediately below.

SIGNATURE:



DATE: 06 / 23 / 2009
 month day year

TYPED NAME:

Robert E. Hebert

TITLE:

County Judge

ORGANIZATION:

Fort Bend County

V. REVIEW AND APPROVAL BY DOE

I hereby certify that I have reviewed the information provided in this questionnaire, have determined that all questions have been appropriately answered, and judge the responses to be consistent with the efforts proposed.

PROJECT MANAGER:

SIGNATURE: _____

DATE: ____ / ____ / ____
month day year

TYPED NAME: _____